

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): GUOGEN ZHANG, FEN-LING LIN, JUNG-HSIN HU, YAO-CHING S. CHEN, YUN WANG,  
and GLENN M. YUKI

Docket: SVL920030024US1

Title: DYNAMIC SELECTION OF OPTIMAL GROUPING SEQUENCE AT RUNTIME FOR  
GROUPING SETS, ROLLUP AND CUBE OPERATIONS IN SQL QUERY PROCESSING

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

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**Date of Deposit: July 29, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office  
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VA 22313-1450.

By: 

Name: Suzie McLeave

22440 U.S. PTO

10/629459



**MAIL STOP PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate Of Mailing Under 37 CFR 1.10.
- ☒ Utility Patent Application: Spec. 29 pgs; 9 claims; Abstract 1 pg(s).  
The fee has been calculated as shown below in the "Claims as Filed" table.
- ☒ 6 sheets of Drawings.
- ☒ A signed Declaration and Power of Attorney.
- ☒ Assignment of the invention to INTERNATIONAL BUSINESS MACHINES CORPORATION, Recordation Form Cover Sheet.
- ☒ A charge to Deposit Account in the amount of \$750.00 to cover the Filing Fees.
- ☒ A charge to Deposit Account in the amount of \$40.00 to cover the Assignment Recordation Fee.
- ☒ Return postcard.

**CLAIMS AS FILED**

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
<b>Basic Filing Fee</b>				\$750.00
<b>Total Claims</b>				
9	20	0	x \$18.00	\$0.00
<b>Independent Claims</b>				
3	3	0	x \$84.00	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>				\$0.00
<b>TOTAL FILING FEE</b>				\$750.00

Please charge all fees to Deposit Account No. 09-0460 of I.B.M. Corporation, the assignee of the present application. A duplicate of this sheet is enclosed.

CUSTOMER NUMBER 22462

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